

What is claimed is:

1. A toothbrush with highly tapered bristles having superior flexibility, wherein each of said bristles is made
5 of polyethylene terephthalate or polybutylene terephthalate, and tapered starting at a position of 3.5mm or less from an
~~end~~ ^{end} thereof, with a tapered end having a diameter of 0.02mm or less.

10 2. The toothbrush of claim 1, wherein the tapered end of each of the bristles is 0.01mm or less in diameter.

3. The toothbrush of claim 1, wherein each of the bristles is tapered starting at a position of 3.0mm or less
15 from the end of the bristle.

4. A method of manufacturing a toothbrush with highly tapered bristles having superior flexibility, comprising the steps of:

20 dipping 3.5mm-long portions from ends of monofilaments for bristles into erosive chemicals such as sulfuric acid or sodium hydroxide until the dipped portions of the monofilaments are completely eroded;
neutralizing the shortened monofilaments prior to
25 rinsing and drying them;
attaching the shortened monofilaments on a predetermined
portion of a toothbrush; and

grinding the shortened monofilaments with the use of a
240# mesh paper rotated at 2600 to 2700rpm for 3 to
10sec, a 320# mesh paper rotated at same speed for 3
to 10sec, and a 400# mesh paper rotated at same speed
for 3 to 10sec.

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